



Identifying topics in Liverpool's press conferences

by Wonjae Lee

Overview



DATA: 3 YEARS OF PRE-MATCH PRESS CONFERENCE TRANSCRIPTS
FOR LIVERPOOL

Exploring press conferences with NLP to identify topics and how
it compares to their performance

Process

SCRAPED 2018 - 2021 PRESS
CONFERENCES

Data Source: Youtube
Transcripts

COUNTVECTORIZER

Reduced features with stop
words as well as min_df &
max_df

LDA

Fed CV into LDA

TOPIC ARRIVAL

Observed the list of features to
come up with the topics

Topics



Injury

VIRGIL JOEL INJURED MISS FUTURE



Players

MO ALISSON HENDO NABY FABINHO



Referee

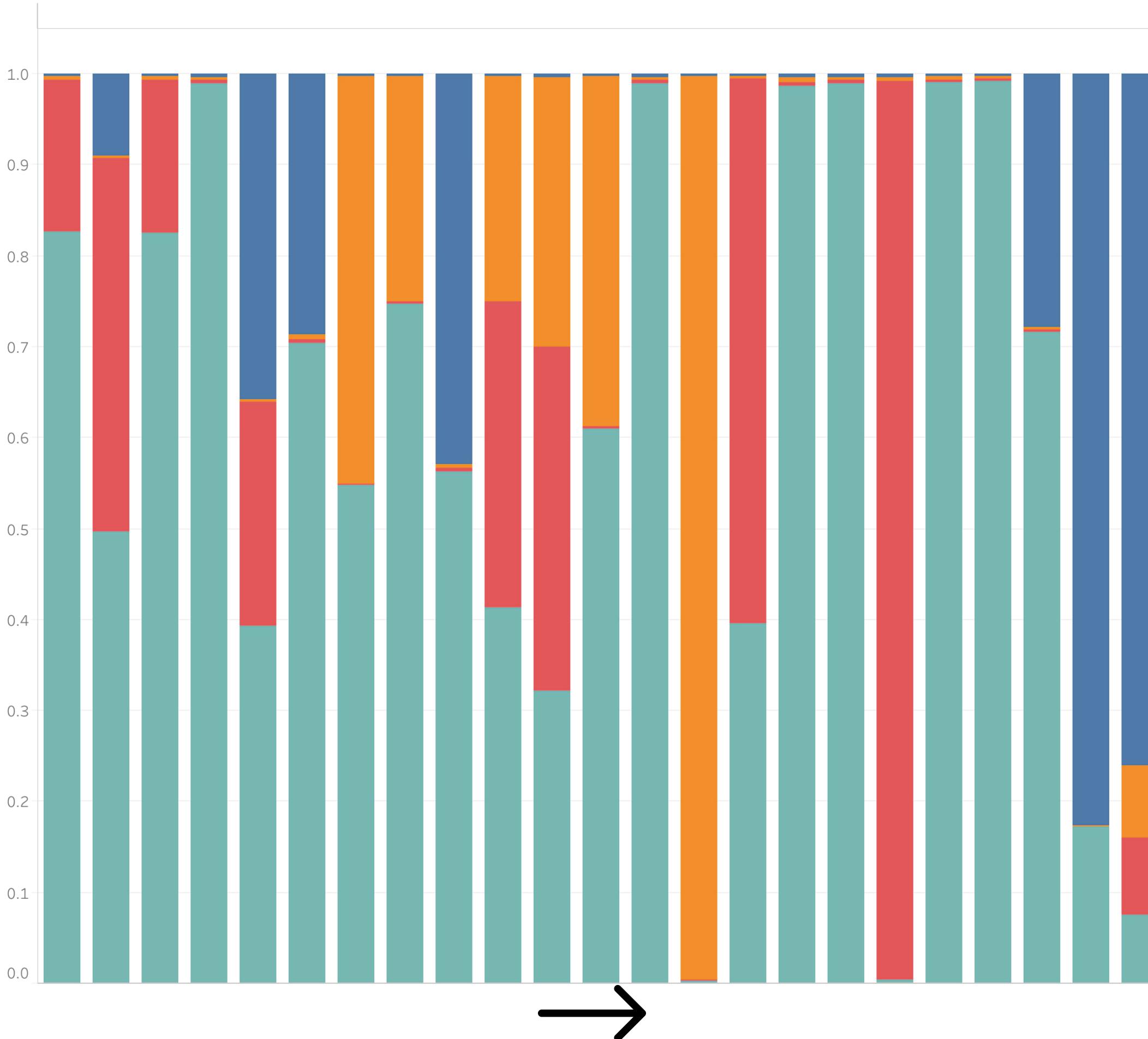
PENALTY VAR OFFSIDE FOUL ACCEPT



Tactics

THIRD MOMENTUM CORNER BOX PIECES

2018 - 2019 Season

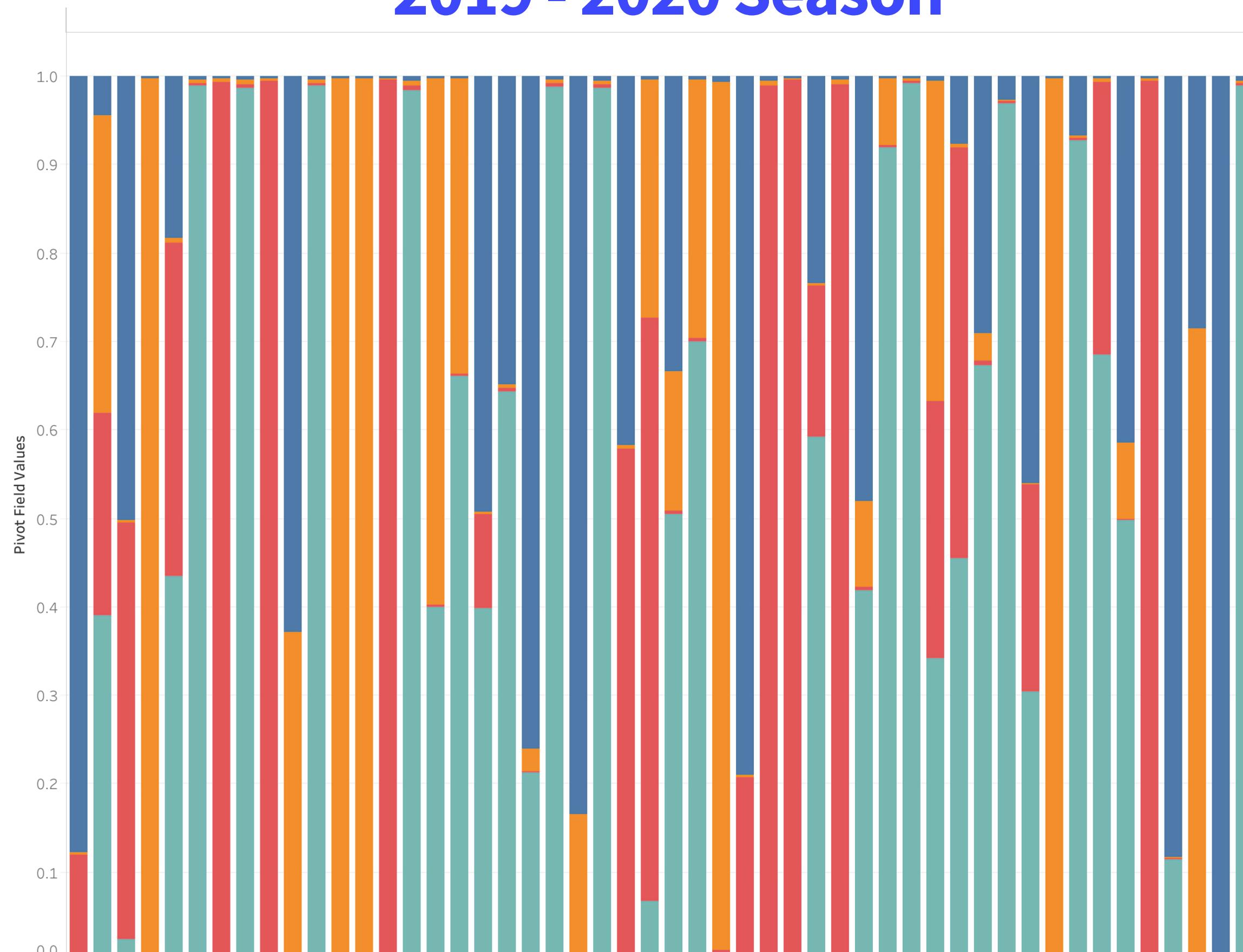


Pivot Field Names
 Injury
 Players
 Referee
 Tactical

1	Man City	38	32	2	4	95	23	72	98	✓✓✓✓✓✓
2	Liverpool	38	30	7	1	89	22	67	97	✓✓✓✓✓✓
3	Chelsea	38	21	9	8	63	39	24	72	✗✓✗✗✗✗
4	Tottenham	38	23	2	13	67	39	28	71	✗✗✗✓✗✗
5	Arsenal	38	21	7	10	73	51	22	70	✓✗✗✗✗✗

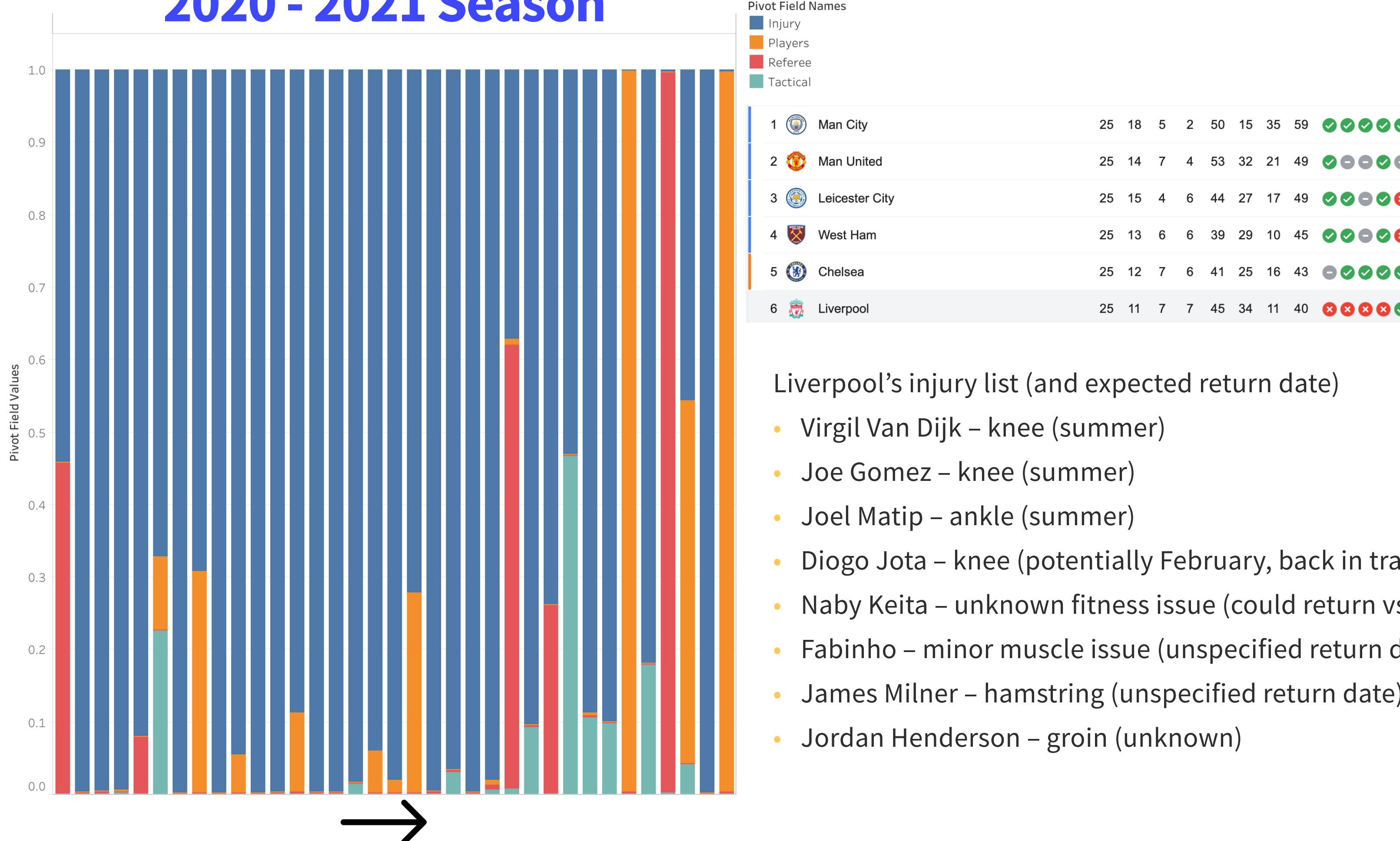
- Finished 25 points behind last season
- Won Champions League 2018-2019

2019 - 2020 Season



- Introduction of VAR
- Healthy balance of praise for specific players and tactical discussions

2020 - 2021 Season



Liverpool's injury list (and expected return date)

- Virgil Van Dijk – knee (summer)
 - Joe Gomez – knee (summer)
 - Joel Matip – ankle (summer)
 - Diogo Jota – knee (potentially February, back in training)
 - Naby Keita – unknown fitness issue (could return vs Sheff Utd)
 - Fabinho – minor muscle issue (unspecified return date)
 - James Milner – hamstring (unspecified return date)
 - Jordan Henderson – groin (unknown)

Future Improvements / Limitations

- Break into more topics for more specific analysis
 - Break the episode into smaller time buckets to perform analysis
 - Interview style doesn't allow for an open-ended dialogue

games played performance everything
first clear two cannot enough
back result change way try nice three
moment end pretty much teams made
chance bit nothing better easy never
situation happen year pitch ball stuff
point jürgen right people week sure
everybody many liverpool
said last course take already
win much difficult even thought
scored little bit season score minute
goal look feel exactly kind
per cent work thing honest
important long big probably
happy whatever saw different need